

[Previous Doc](#) [Next Doc](#) [Go to Doc#](#)[First Hit](#) [Fwd Refs](#)

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L7: Entry 16 of 25

File: USPT

Jan 4, 2000

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US-PAT-NO: 6012004

DOCUMENT-IDENTIFIER: US 6012004 A

TITLE: System and method for managing time for vehicle fault diagnostic apparatus

DATE-ISSUED: January 4, 2000

INVENTOR-INFORMATION:

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APPL-NO: 08/952727 [\[PALM\]](#) [\[eDan\]](#) [\[US Family\]](#)

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FOREIGN-APPL-PRIORITY-DATA:

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JP	7-149786	May 25, 1995

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APPL-NO	DATE-FILED	PUB-NO	PUB-DATE	371-DATE
PCT/JP96/01366	May 23, 1996	WO96/37864	Nov 28, 1996	Nov 20, 1997

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INT-CL-CURRENT:

TYPE IPC	DATE
CIPS <u>G06 F 11/18</u>	20060101
CIPS <u>G07 C 5/00</u>	20060101
CIPN <u>B60 R 16/02</u>	20060101
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US-CL-ISSUED: 701/33; 701/35, 395/290

US-CL-CURRENT: 701/33; 701/35, 710/110

FIELD-OF-CLASSIFICATION-SEARCH: 701/29, 701/30, 701/31, 701/33, 701/35, 395/290, 395/286, 395/559, 395/297

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5555171</u>	September 1996	Sonehara et al.	701/29

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
56-057541	May 1981	JP	
60-011093	January 1985	JP	
4-304589	October 1992	JP	
6-333117	December 1994	JP	

ART-UNIT: 361

PRIMARY-EXAMINER: Nguyen; Tan

ATTY-AGENT-FIRM: Sidley & Austin

ABSTRACT:

The present invention relates to a system and a method for managing time for a vehicle fault diagnostic apparatus by which temporal contradictions and errors between controllers are eliminated, and fault diagnosis is reliably performed by accurate time. To this end, the system includes a master controller (1) for transmitting a counted time as a standard time, and a plurality of controllers (11a, 11b, 11c, . . . , 11n) for determining the time relating to the fault diagnosis on the basis of the received standard time when fault data of sensors, etc., are detected.

20 Claims, 5 Drawing figures

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)